

CLAIMS

1. A nail clipper comprising:

a nail clipper body having a rigidity and a suitable length to grip, the nail clipper body having a supporting shaft hole at one side thereof;

5 a nail cutter having opposite cutting blades, and an upper cutter and a lower cutter facing each other, having a supporting shaft hole adjacent to the cutting blade, respectively, and having rigid and elastic property; and

a lever positioned on an upper side of the nail clipper body and connected with the cutter and the body through a supporting shaft to move the cutter by leverage;

10 wherein the lever is positioned on an upper side of the nail clipper body, and the nail cutter is positioned on a lower side of the nail clipper body, whereby the cutter is rotatable within a range of 360° without interference of an obstacle, when the cutter is rotated centering around the supporting shaft with an unrestrained state.

15 2. The nail clipper according to claim 1, wherein the nail clipper body has a rigidity and a suitable length to grip, the body being integrally formed.

3. The nail clipper according to claim 1, the nail clipper body includes a base body made of a plate-shaped metal, the base body being assembled to a gripping body serving
20 to a gripping part by slidably fitting to the gripping body.

4. The nail clipper according to claim 1, the nail clipper body includes a base body made of a plate-shaped metal, the base body being assembled to a gripping body serving to a gripping part by inserting into the gripping body.

25 5. The nail clipper according to claim 1, the nail clipper body is made of a plate-shaped metal member, the body being bent downwardly at a predetermined distance from the supporting shaft hole formed on a plain surface of one side thereof to rotatably receive the nail cutter, the body being formed with a finger gripping part horizontally extended
30 with having a step height from the plain surface of the one side.

6. The nail clipper according to claim 1, wherein the nail clipper body is formed

with a receiving part at a rear end thereof, a nail-handling tool being detachably mounted in the receiving part.

7. The nail clipper according to claim 1, wherein a nail handling tool is hinged to a rear end of the nail clipper body by way of opening and closing by horizontal rotation.

8. The nail clipper according to claim 1, wherein a nail handling tool is hinged to a rear end of the nail clipper body by way of opening and closing by up and down rotation.

9. The nail clipper according to claim 1, wherein the nail clipper body is formed with a gripping part rendering the finger to stably grip.

10. The nail clipper according to claim 1, wherein the nail clipper body is formed with a finger rim gripping part rendering the finger to stably grip.

11. The nail clipper according to claim 1, wherein the nail clipper body is formed with a cutter-projecting site around the supporting shaft hole formed on the one side thereof, at least one click groove being formed in the cutter-projecting site according to an angle, the upper cutter of the nail cutter being formed with a click projection corresponding to the click groove, whereby the cutter is rotated by a predetermined angle in the body and positioned for fixing to the body.

12. The nail clipper according to claim 3, wherein one side of the base body is formed with a cutter rotation site at which the cutter is rotatably positioned, the supporting shaft hole being passed through the cutter rotation site, a click groove together with a projection site being formed around the supporting shaft hole, and the other side of the base body is formed with a stepped jaw, a protuberance and a hooking hole for engaging with the gripping body, the gripping body being formed with a guide groove for slidably inserting the base body and a fixing stepped jaw corresponding to the protuberance, a lower part of the guide groove being formed with a receiving part for receiving a nail handling tool at a predetermined height, a bottom surface of the gripping body being formed with an arch-shaped gripping part.

13. The nail clipper according to claim 1, wherein the nail cutter includes a rigid section and an elastic section, the elastic section including a breakage preventing and elastic flexible means for preventing a breakage of the cutter, and simultaneously for securing a flexible elastic property by dispersing a stress concentration due to pressing stress.

14. The nail clipper according to claim 13, wherein the breakage preventing and elastic flexible means forms an elongated hole so that a portion remaining from the elastic sections of the upper cutter and the lower cutter maintains the same width.

15. The nail clipper according to claim 14, the elongated hole further includes a connection supporter for preventing a twist.

16. The nail clipper according to claim 13, wherein the breakage preventing and elastic flexible means is constituted so that a portion remaining from the elastic sections of the upper cutter and the lower cutter maintains the same width, which is narrower than the width of the upper cutter and the lower cutter.

17. The nail clipper according to claim 13, wherein the breakage preventing and elastic flexible means is constituted so that the elastic section of the upper cutter and the lower cutter has a relatively thinner than that of the cutter of the rigid section, and has the same thin thickness within a predetermined range.

18. The nail clipper according to claim 13, wherein the upper cutter and the lower cutter include a reinforcing rib bent at a right angle on both side ends of the rigid section thereof to reinforce the rigidity of the cutter.

19. The nail clipper according to claim 13, wherein the upper cutter and the lower cutter include a reinforcing rib transformed by pressing edges of both side ends of the rigid section thereof to reinforce the rigidity of the cutter.

20. The nail clipper according to claim 1, wherein the upper cutter further

includes at least one click projection projected adjacent to the supporting shaft hole on an upper surface thereof.

21. The nail clipper according to claim 1, wherein the upper cutter is covered with an upper cutter cover having a supporting shaft hole positioned in the same axis as the supporting shaft hole of the cutter, at least one click projection formed adjacent to the supporting shaft hole of the cover, and plates for preventing nails from scattering, which are formed by bending both side parts of the cover.

22. The nail clipper according to claim 1, wherein the lower cutter is covered with a lower cutter cover having a supporting shaft hole positioned in the same axis as the supporting shaft hole of the cutter, plates for preventing nails from scattering in the side direction, which are formed in both side parts of the cover, and a plate for preventing nails from scattering in the rear direction, which is formed in a rear part of the cover.

23. The nail clipper according to claim 1, wherein a washer is installed between the nail clipper body and the nail cutter.

24. A nail cutter comprising:
opposite cutting blades formed in one side end thereof; and
an upper cutter and a lower cutter facing each other, having a supporting shaft hole adjacent to the cutting blade, respectively, and having a rigid section and an elastic section by bending the other side thereof;

the rigid section having a rigidity reinforcing means having a predetermined length at both side ends of the cutter and preventing the cutter from getting bent by transformation through bending or pressing so that a force pressed to the cutter is transferred into a cutting force without loss of force;

the elastic section having a breakage preventing and elastic flexible means for preventing a breakage of the cutter and simultaneously for securing a flexible elastic property by dispersing a stress concentration due to pressing stress.

25. The nail cutter according to claim 24, wherein the breakage preventing and

elastic flexible means forms an elongated hole so that a portion remaining from the elastic sections of the upper cutter and the lower cutter maintains the same width.

26. The nail cutter according to claim 25, the elongated hole further includes a
5 connection supporter for preventing a twist.

27. The nail cutter according to claim 24, wherein the breakage preventing and elastic flexible means is constituted so that a portion remaining from the elastic sections of the upper cutter and the lower cutter maintains the same width, which is narrower than the width
10 of the upper cutter and the lower cutter.

28. The nail cutter according to claim 24, wherein the breakage preventing and elastic flexible means is constituted so that the elastic section of the upper cutter and the lower cutter has a relatively thinner than that of the cutter of the rigid section, and has the same thin
15 thickness within a predetermined range.

29. The nail cutter according to claim 24, wherein the upper cutter and the lower cutter include a reinforcing rib bent at a right angle on both side ends of the rigid section thereof to reinforce the rigidity of the cutter.
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30. The nail cutter according to claim 24, wherein the upper cutter and the lower cutter include a reinforcing rib transformed by pressing on both side ends of the rigid section thereof to reinforce the rigidity of the cutter.

25 31. The nail cutter according to claim 24, wherein the upper cutter further includes at least one click projection projected adjacent to the supporting shaft hole on an upper surface thereof.

32. The nail clipper according to claim 1, wherein the supporting shaft is
30 characterized in that a head part is formed in one end thereof, the head part having a hole in the center thereof, in that a pair of posts are formed by being divided and longitudinally extended from the hole to both directions, in that a wedge hooking projection is formed on the respective

divided surface of the post, in that a hooking jaw is formed to be projected outside at a lower end thereof, and in that the supporting shaft comprises a wedge having a hooking hole for engaging with the wedge hooking projection by fitting between the divided surfaces.

5 33. The nail clipper according to claim 1, wherein the lever is characterized in that a concave part is formed on one end thereof, in that an opposite respective projection shaft and a supporting shaft having a stepped portion against the projecting shaft for preventing both projecting shafts from widening by connecting ends of the both projecting shafts with a shaft are formed on the opposite surface of the concave part, in that a lever fulcrum part is formed
10 adjacent to the concave part, and in that a pressing part is extended to the other end thereof.

 34. A lever for a nail clipper characterized in that a concave part is formed on one end thereof, in that an opposite respective projection shaft and a supporting shaft having a stepped portion against the projecting shaft for preventing both projecting shafts from
15 widening by connecting ends of the both projecting shafts with a shaft are formed on the opposite surface of the concave part, in that a lever fulcrum part is formed adjacent to the concave part, and in that a pressing part is extended to the other end thereof.

 35. A supporting shaft for a nail clipper characterized in that a head part is formed
20 in one end thereof, the head part having a hole in the center thereof, in that a pair of posts are formed by being divided and longitudinally extended from the hole to both directions, in that a wedge hooking projection is formed on the respective divided surface of the post, in that a hooking jaw is formed to be projected outside at a lower end thereof, and in that the supporting shaft comprises a wedge having a hooking hole for engaging with the wedge hooking
25 projection by fitting between the divided surfaces.